

Title (en)

Device for removing manure from a floor, in particular a closed floor

Title (de)

Vorrichtung zum Entfernen von Dung von einem Boden, insbesondere in geschlossenen Räumen

Title (fr)

Dispositif servant à enlever le fumier du sol, en particulier d'un sol imperméable

Publication

**EP 2522219 A3 20151209 (EN)**

Application

**EP 12174744 A 20100212**

Priority

- EP 10704001 A 20100212
- NL 1036581 A 20090217

Abstract (en)

[origin: WO2010095930A1] Unmanned self-propelled and self-steering device (1) for removing manure present on a floor, comprising a manure slide (4) and a drive for moving the device over the floor, characterized in that the manure slide is substantially- U-shaped or V- shaped with two legs (7a, 7b) in order to define autonomously a manure- accommodating-space (25) which opens in forward direction and is closed in rearward direction, wherein the legs have a length (L1) in the order of magnitude of the width (B) of the manure slide.

IPC 8 full level

**A01K 1/01** (2006.01); **A01K 1/00** (2006.01)

CPC (source: EP US)

**A01K 1/0029** (2013.01 - EP US); **A01K 1/01** (2013.01 - EP US); **A01K 1/0128** (2013.01 - EP US)

Citation (search report)

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- [XA] WO 0070941 A1 20001130 - LELY RES HOLDING [CH], et al
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- [Y] JP 2007011857 A 20070118 - TOYOTA MOTOR CORP
- [AD] US 5309592 A 19940510 - HIRATSUKA KAZUHIRO [JP]
- [A] US 2966256 A 19601227 - MCLELAND HAROLD H
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Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 2010095930 A1 20100826**; DK 2398313 T3 20130826; EP 2398313 A1 20111228; EP 2398313 B1 20130515; EP 2522218 A2 20121114; EP 2522218 A3 20151209; EP 2522219 A2 20121114; EP 2522219 A3 20151209; NL 1036581 C2 20100818; PL 2398313 T3 20131031; US 10039260 B2 20180807; US 10039261 B2 20180807; US 2011296635 A1 20111208; US 2015289471 A1 20151015; US 2015289472 A1 20151015; US 9095116 B2 20150804

DOCDB simple family (application)

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